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Chicago and the Sources of Her Past and Future Growth.

A PAPER READ BEFORE THE CHICAGO HISTORICAL SOCIETY,

TUESDAY EVENING JANUARY 20TH, 1880.

BY

WILLIAM BROSS, A. M.,
Lieutenant Governor of Illinois, 1865-9.

CHICAGO:
JANSEN, McCLURG & CO.
1880.

THE GIFT OF

Chic. hist. society.

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CHICAGO AND THE SOURCES OF HER PAST AND FUTURE GROWTH.

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HISTORICAL SOCIETY ROOMS,

Chicago, January 21, 1880.

Ex-Lieutenant Governor William Bross:

DEAR SIR: *I have the honor to inform you that at a meeting of the Chicago Historical Society, held last evening, the following resolution, introduced by S. H. Kerfoot, Esq., was unanimously adopted:*

"RESOLVED, *That the interesting and valuable historical and statistical papers read by Gov. Bross, the thanks of this Society are due and are hereby tendered, and that he be requested to furnish a copy of the same for publication.*"

Very Respectfully,

ALBERT D. HAGER,

Secretary.

CHICAGO AND THE SOURCES OF HER PAST AND FUTURE GROWTH.

Mr. President, Ladies and Gentlemen:

Changing the language of Webster slightly to suit the purpose of this article, "I shall enter on no encomium upon Chicago. She needs none. Here she is and here she will remain forever. The past is at least secure," and of this every citizen of Chicago is justly proud; and what she is now and what she is likely to become as time rolls onward, can only be understood by a careful survey of the extent and the character of the country in which are the sources of her past and future growth. Her site was not selected by some great conquerer, like that of Constantinople, Palmyra, and Alexandria, with reference to the channels of commerce than existing, and which the capricious changes of the currents of trade have reduced to comparative insignificance. Instead of being merely on one of those channels liable to be diverted by political revulsions and ever-changing natural causes, the channels of trade for the North American Continent all point to and converge in a focus at Chicago. Her commanding commercial position at the head of the great lakes was known to the Indians centuries before the brave old French explorers found it. Nature, it is believed, or, to speak more reverently, He who is the Author of Nature, selected the site of this great city, not till next May forty-three years old, and hence her future will not be subject to those causes which have paralyzed or destroyed many of the cities of past ages. Let us trace some of the lines of her traffic, especially those from the westward, and note the character of the country from which and through which they come.

N. B. — The latest and best map of the United States should be before the reader while perusing this paper.

249600

In what follows reliance is had mainly on personal observation, and hence I trust I shall be forgiven for the frequent use of the personal pronoun. Whatever of the country I have not seen myself I have seen through the eyes of others who in the aggregate had explored almost every square mile of it.

On the 28th of May last I started for a trip to the Northwest, and, after visiting Winnipeg, the Capital of the thrifty little Dominion Province of Manitoba, I arrived at Fort Benton, in Montana, on the 20th of June. This town is at the head of steamboat navigation on the Missouri River. On the 8th of September I left for a trip to the Southwest, and, after visiting Denver, Leadville, and Silver Cliff, spent Friday, Sept. 26th, at Las Vegas, New Mexico. Thus I had traveled over two sides of an immense triangle, of whose sides, one to Fort Benton, in a direct line, and not as traveled, is 1,180 miles long, and that to Las Vegas is 1,040, and the base line, skirting along the eastern foot-hills and at some points over the Rocky Mountains, is 900 miles.

What is the character of the country contained within this vast triangle, and what are its relations to the prosperity and the growth of Chicago.

FIRST, AS TO ITS EXTENT.

In 1855, after carefully studying the map, I became convinced there were about 700,000 square miles of territory between Lake Michigan and the Rocky Mountains, whose trade would surely come to Chicago. I so stated before the convention of delegates from the leading lake cities to promote the building of the Huron and Ontario Ship Canal, held in Toronto on the 13th of September, 1855. The estimate has never been disputed, and it agrees very nearly with the figures of the United States Census. To be sure of my facts, I asked my friend, Prof. Colbert, to examine the problem, and, by taking in Wisconsin and running west along the boundary between the United States and the British possessions to a point say 100 miles west of Fort Benton, and thence south to Las Vegas, making instead of a triangle a trapezium or irregular geometrical figure, Prof. Colbert found that its area is undoubtedly the figures I first made. As no one, either in astronomical or sublunary calculations, has ever questioned the Professor's accuracy, this matter may be considered as settled.

Now mark the magnificent results. As the State of Ohio contains a little less than 40;000 square miles, here is space enough to form

SEVENTEEN STATES

as large as Ohio; and I am willing to risk my reputation for the future by predicting that before the parting knell shall ring out the last hour of the year of grace 1976 they will, on an average, be far more populous, and vastly richer and more productive. I have traveled through Ohio in various directions, and between Lake Michigan and the Lower Missouri River in certainly as many; and west of that up the Valley of the Missouri, the Platte, the Kansas, and the Arkansas, to the Rocky Mountains, and, therefore, I assume to speak with some confidence upon this subject.

But let us be more specific, though briefly so, and see what the climate, the soil, the topographical character, and the resources of these states, or of the territory that might be so divided, are now known to be. And first, what is most important as to their climate and agricultural resources.

CLIMATE

has much to do with the productiveness of any country, and there is scarcely any topic on which the great public are more at fault than in regard to the temperature of the northern sections of our country. No greater mistake can be made than to suppose that the lines of latitude indicate the degree of cold that prevails under them. The Gulf Stream carries a warm, delightful climate to England and to Western Europe, while Labrador, in the same latitude in North America, has an Artic atmosphere the year round. For the same reason, the winds from the warm Japan current in the Pacific Ocean, crossing the lower northern ranges of the Rocky Mountains, give an average temperature not much different from that of St. Paul to the great Valley of the Saskatchewan, from 400 to 500 miles north of the American boundary. This fact was recently proved by incontestable figures, taken for several years, at different stations, by the Hon. James W. Taylor, United States Consul at Winnipeg. True, they have blizzards there and intensely cold weather, and so they do at St. Paul, and, at times, so do we at Chicago. So much for the climate of the northern belt of our triangle, and south of it, of course it gradually becomes warmer down to the Arkansas Valley.

PARTICULARS.

Let us examine this country by States and Territories. The great agricultural riches of Wisconsin and her immense mineral wealth are too well known to need extended notice here. The southern half of the State has a very rich soil and produces most of the cereals and other farm products in the greatest abundance. The northern half has a lighter soil, but is rich in minerals and lumber. Minnesota within the last twenty years has taken her place among the leading wheat-producing States of the Union. The southern half of the State has a soil of great depth and richness, and like the northern sections of Wisconsin, the same sections in Minnesota are very valuable for their forests of pine and other important woods. The State is splendidly watered by rivers and beautiful lakes, and is too well known to need further remark. It will sustain a large and very prosperous population, and is destined to occupy a leading place among the great and growing States of the Union.

DAKOTA.

lying directly west of Minnesota and north of Nebraska (except the northeastern and southwestern section), is comparatively unknown. When I went down the Red River Valley in 1871 to Winnipeg there were only three or four little hamlets north of Morris, the terminus of the railway, for some 200 miles or more, all the way to the British line. In little more than eight years the valley, both in Minnesota and Dakota, has been brought largely under cultivation. Scores of the largest, best managed, and most productive wheat farms in the United States are now to be found in this valley. It looked last June like an old settled country. Small farms, as well as those of one, five, ten, and even fifty thousand acres, with good houses for the superintendents, large barns and outhouses for every thousand acres, dotted the landscape on every side. Teams, reapers, and thrashers by the score, with a small army of men, are required on these princely farms, and even the telegraph has been called into requisition to manage them. Take as an example the Cass-Cheney farm, for 1879. It has been opened three years. Each year new land is broken. This season 8,170 acres were cultivated, producing 139,823 bushels of wheat, 15,877 bushels of oats, 6,649 bushels of barley. The wheat cost less than 40 cents per bushel to raise, and sold for 95 cents. The stock

and implements used consisted of 158 mules, 81 wagons, 32 gang-plows, 55 harvesters, 9 separators, 40 seeders, and 104 harrows.

These facts I have from Col. James B. Power, Land-Commissioner of the Northern Pacific Railway, who has thousands of acres of equally good land left. He adds that the counties of Cass, Traill, Richland, Barnes, Stutsman, Kidder, and Burleigh, extending from the Red to the Missouri River in Dakota Territory, show as follows:

Population in 1879	31,500
Number of farms in 1879	3,815
Tilled area in 1879, acres	178,020
New breaking in 1879, acres	117,000
Area in wheat in 1879, acres	142,000

Increase in 1879 over 1878: Population, 16,600; number of farms, 2,918; tilled area, 87,990 acres; area in wheat, 70,290, acres. Of the tilled area only 16,169 acres are on what are known as the "big farms."

The Government survey reports that Dakota Territory contains 157,000 square miles, from which nearly four of the seventeen States might very readily be carved out. It all lies in the great wheat-belt which extends from Iowa to the Peace River Valley in British America, some 3,000 miles. For the cultivation of this most valuable cereal a large majority of the lands in the Territory is most admirably adapted, and the balance of it affords the finest of pasturage. Even the Couteau de Missouri, the long, high dividing ridge between the Dakota and the Missouri Rivers, an extensive district, till about ten years ago was supposed to be fit only for the residence of wild beasts and more savage men. It is now certain that it can all be made valuable for farming purposes. The eastern quarter of the Territory is drained by the Red, the Cheyenne, and the Dakota or James Rivers; the Missouri runs through the centre, and the Little Missouri, the Knife, the Heart, the Cannon Ball, the Grand, the Moreau, the Cheyenne, and the White Rivers drain the western half of the Territory into the Missouri. The soil of all these valleys is exceedingly fertile, and the whole of the Dakota and the Red River Valleys are rapidly filling up with an energetic and industrious people. The same is true of the southeastern section of the Territory. It is found that there is, with the exception of some strips of the Bad Lands, comparatively very little waste land in it.

At leasts three-fourths of the Territory of

MONTANA

lie east of the Rocky Mountains. The ridges gradually rise higher as you approach them, and the river valleys are deeper, but the general description of Dakota will apply to more than half of it. There are here also some sections of the Bad Lands; but they occupy comparatively but a small part of the Territory. Where I saw them they are composed of black, friable shale, probably the debris of vast coal beds burning up in the early history of the planet on top of them. It is difficult to form a just estimate of the extent of these two Territories. It takes all day to ride from the Red to the Missouri River, at Bismarck by the Northern Pacific Railway, and then you are but half way across Dakota. About two-thirds of it lie south of the railway. Starting from Bismarck on the morning of June 6th, it took us till about 10 o'clock of the 11th—more than five days—to reach Fort Buford, at the mouth of the Yellowstone, and it required eleven days more of almost constant steaming to reach Fort Benton. The June rise gave us a fine stage of water, and our delays were very few. These eleven days were all in Montana, as the north and south boundary runs only a mile or two west of the mouth of the Yellowstone. And yet in all the 800 miles above Bismarck, till near Fort Benton there is not a single town or hamlet along the entire river; forts and wood-yards are all the marks of civilization one sees, and the latter certainly do not furnish very encouraging specimens of Western civilization; but they are probably quite as good as could be expected. A few miles—eleven by land—below Fort Benton, on the 20th of June, the steamer stopped at the ranche of Mr. Charles Rowe. His fields of wheat, potatoes, and other vegetables were in splendid condition. A week before he had new potatoes and goosebery and pie-plant pies for dinner. On our return trip we took on board 170 Montana cattle, whose large size and fine condition would have at once stirred up active competition at our Stock-Yards, and which Government contractors took down below Bismarck to feed splendidly the worthless vagabond Indians in that fertile and beautiful section of Dakota. These cattle had never had a pound of hay to winter them, and, in fact, did not know what it is, for they would not eat it till after having been starved to it for two or three days on board the steamer. These facts are commended to the special attention of those who think this a

barren, inhospitable country. Montana is also splendidly watered east of the mountains by the Powder, the Tongue, and the Big Horn running north into the Yellowstone, by that river and the Missouri, and from the North by the White Earth, the Milk, and the Marias.

I have been thus particular in describing the topographical and the agricultural character of Dakota and Montana in order, as far as may be, to dissipate the false impression that they are too far north for successful development. With the swelling tide of emigration now beginning to roll over them, the next decade will show the most marvelous result. As to

IOWA,

and that portion of Illinois and Northern Missouri lying within our triangle, all the world now knows them to be the very garden of the Mississippi Valley. They are passed by, therefore, without further notice.

NEBRASKA

has rightly assumed the place of one of the most prosperous States in the Union within the last fifteen years. Her progress has been a marvel of energy and success. When the Colfax party went up the Platte Valley in a stage-coach in 1865, there were a few scattered settlements and cities on paper along the Missouri River, and Fort Kearney, with a few houses sourrounding it, with stage stations at regular intervals, were all the signs of life we found to the west line of the State, and, in fact all the way to Denver. For 200 miles or more there were new-made graves to mark the slaughter of white men, and women, and children by the murderous redskins the year before. The Union Pacific Railway has changed all this, and now farms, and hamlets, and thriving towns dot the Valley of the Platte all the way to the mountains. And it should be known that this great valley, prosperous and growing rapidly as it is, is by no means the best part of the State. The country on either side beyond the bluffs that bound it is richer by far than what the tourist sees as he dashes by on the cars in the Platte Valley. It is a rich, rolling prairie, well watered, and is still rapidly settling by an energetic, thrifty population. The Valleys of the Niobrara, the Elkhorn, and the Loup-Fork drain the northern half of the State. The Platte sweeps nearly through its centre from west to east, while the Republican and other

streams drain the southern sections. Notice the figures of this year's census if you want to see how ignorant the old geographers were when they marked a large portion of Nebraska and Kansas as the Great American Desert.

KANSAS

is admitted to be one the best and most prosperous States in the Union. Its rich rolling prairies were the battle-ground between slavery and its opponents in 1853–'6. Freedom won in the contest, and hence followed the War of the Rebellion. Slavery was crushed out, and "Liberty was proclaimed throughout all the land unto all the inhabitants thereof." The rapid settlement of Kansas and its wonderful progress in population and wealth have amply proved that the State was well worth all the efforts each side made to win it. Perhaps more than half of the State is now well settled, and the next decade will bring the western half under cultivation. The Arkansas and the Kansas Rivers, with their scores of tributaries, furnish abundant drainage. It is conceded already to be one of the leading States of the Mississippi Valley.

The eastern corner of

WYOMING

and the half of Colorado and the corner of New Mexico coming within our base line lie within what is called the "rainless belt;" but the soil of the high-rolling ridges is good, and is covered with an abundance of buffalo grass like nearly all of eastern Montana, Nebraska, and Kansas. They were the home of the buffalo for untold ages. Here they roamed by tens of millions, furnishing the Indians with plenty of food, and where so large and so powerful an animal in such vast numbers can live, surely the most extensive herds of cattle can flourish and grow fat. I wrote home in 1865, when I first saw this wonderful country, that it must become the great meat-producing section of the Union, but I little expected to see this prediction verified before the year of grace 1880. Now of this

RAINLESS BELT

this may be said. Whatever may be the cause, it is now generally admitted that the line of sufficient rainfall for ordinary farming purposes is steadily though gradually moving westward. Whether it be

the telegraph and railway lines, or the settlement of the country, or all these, with perhaps other causes combined, the future scientist will probably be able to determine. Certainly it rained one-third of the time last June when I was on the Upper Missouri, and it was abundant for all farming purposes. The experience of 2,000 years in Italy and elsewhere has shown that irrigation from mountain streams is a safer and a better reliance for successful husbandry than to depend upon the rains of Heaven; and so it has been proved in Colorado. In winter the snow falls in vast quantities on the lofty mountain ranges; it melts in the spring and early summer, and the water comes down in abundance, charged with ammonia and various mineral stimulants just when they are most needed by the growing and maturing crops. Colorado now produces nearly all the food consumed in her mining districts. Her wheat is among the very finest grown upon the continent. A belt of territory perhaps from twenty to forty miles wide east of the mountains is now regarded as among the best farming districts in the country. Whatever territory lies between the irrigating belt and the line of sufficient rainfall is covered with buffalo grass, furnishing the most nutritious food for cattle know not the grazier. But within the last year a species of millet called

RICE OR EGYPTIAN CORN

has been introduced, which may materially assist to solve the problem of this rainless belt. The facts in regard to it I learned on my trip to New Mexico last September, from James Hollingsworth, Esq., of this city. His ranche is situated near Kinsley, 316 miles west of Kansas City, in the dry belt. From the facts given me by him I wrote home to The Tribune as follows:

"He had forty acres of sod turned over last spring, and, having procured several quarts of the seed, with an ordinary seed-planter he deposited two or three grains a foot or two apart in the sod. There had not been a drop of rain for the previous eight months, and it did not rain for five weeks after the planting; yet the seed germinated. The corn came up and grew finely. After it got fairly started, the hot blasts came up from the Llano Estacado (Staked Plains), burning up the grass and every green thing in the gardens, scorching like the blasts from a furnace, yet it did not affect the new-comer from Egypt a particle. It grew right along in spite of the heat. Then the rains

came on, and the sturdy grain was equally indifferent to that. It grew right on, and ripened about the 1st of September, yielding, Mr. Hollingsworth thought, some sixty bushels to the acre, weighing sixty pounds to the bushel. From the top of the stalk a tuft something like that of sorghum issues; this soon droops over, and the whole bunch is one mass of the grain. The kernel is about the size of a grain of wheat, perhaps a little smaller, and more nearly round. Each one is inclosed in a shuck or independent capsule. The grain can be ground into an excellent flour, from which bread and other food can be made; it can be boiled and eaten as rice or cracked wheat, and in fact can be used for any purpose for which our ordinary cereals are employed. A neighbor of Mr. Hollingsworth, who raised a small crop last year, assured him that it fattened pigs faster than he had ever known common corn or any other feed to do it."

"Now, the only thing about this story is that it seems almost too good to be true. Had not so reliable a gentleman as I know James Hollingsworth to be, given me the above facts, I should not have dared to have given this account to the public."

"And yet," Mr. H. adds in a circular, "the article as written by Gov. Bross is substantially accurate. The stalk is about the consistency of corn, and makes precisely as good fodder as the corn stalk. For sheep or cattle, and especially lambs, no better feed can be raised.

The yield is nearer 70 than 60 bushels to the acre, and, with proper culture, I am satisfied it will yield 100 bushels. Indeed, I think I have some sections on my ranche that will yield 100 bushels."

What millions on millions of value is in this cereal, new to us, if it only fulfills the promise made by Mr. Hollingsworth's experience.*

A general description of the topography of the country between the lakes and the Rocky Mountains would represent it as a vast

PLATEAU

extending from our northern boundary, and, in fact, from far north in the British Possessions, down to the Gulf of Mexico. The little Rocky and the Bear Paw Mountains in Montana and the Black Hills, and the Ozarks of Missouri, are mere specks upon it, scarcely noticeable on its immensity.

The land between the Lakes and the Mississippi, and between that

* Some of the corn, with one of the heads, were presented to the Society.

river and the Missouri, rises to a very considerable hight, with a general trend of its long sweeping ridges to the south, and from the Rocky Mountains east and southeast to the Missouri. Scarcely any of this wonderful plateau is level. Nearly all of it is drained by such gradual slopes that its immense rivers are navigable for steamers for thousands of miles. On the Mississippi and the Missouri—taken together the longest water-course in the world—steamers ply between the Gulf of Mexico and Fort Benton, near the base of the Rocky Mountains, a distance of 3,933 miles. Their navigable tributaries are told in scores and hundreds, and they branch off from the main arteries in all directions. Now, when it is remembered that in all this immense plateau there is probably not as much waste land by mountain and morass, all told, as there is in the single State of New York; when one bids his mind's eye range over these hundreds of thousands of square miles of rich, rolling prairie, with nothing to vex the plow as it glides onward and turns over the teeming mold, can he fail to see in the not distant future a hundred millions of intelligent, happy, prosperous freemen dwelling in peace and in wealth in this broad, God-blessed land? And does it need any doubtful stretch of fact or fancy to see its chief commercial capital, one of the largest and the richest and most powerful cities the sun has ever beheld in all his course?

So much for the agricultural resources of this great country, and now for a paragraph on its

MINERAL RICHES.

To meet the want of fuel on our prairies, Providence has kindly provided for the millions who are to live upon them an abundant supply of coal for all domestic and manufacturing purposes. The deposits are practically exhaustless in Illinois and Iowa, and it is safe to say that all along the base of the Rocky Mountains, from the Saskatchewan to Mexico, the country is underlaid with coal, the veins of which for scores of miles are of surprising depth and richness. No nation on earth is so well supplied with this essential element of our modern civilization. In it the political economist sees the possibilities of unlimited growth in wealth and all that is desirable in our modern prosperity and progress.

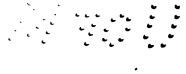
This abundance of coal is supplemented by what is perhaps equally essential,—iron deposits of the very best quality and in unlimited

quantities. The mines along the southern shore of Lake Superior, both for richness and extent, cannot be excelled, and give promise of an unlimited supply. No bounds can be placed upon the output of copper from the Lake Superior mines, except the demand which the markets of the country may choose to make. Lead about Galena and elsewhere is found in the greatest abundance.

In regard to the precious metals, something like the language of fable must be used to give an adequate account of the richness of the country along our base line of 900 miles, for our triangle is all buttressed with mountains whose rock-ribbed vaults are filled with ores of surpassing extent and value. Only twenty years ago gold was discovered on Clear Creek, in the district then erroneously called Pike's Peak, and now Colorado alone is fast approaching the best results that Nevada ever yielded. Last year she gave the country over $19,000,000 worth of silver, half the product of the whole country, about $12,000,000 of which was produced in the Leadville district. The Pacific coast still leads largely in the yield of gold; but California and the countries adjacent thereto must look to their laurels, or Montana, Colorado, and New Mexico will distance them in the value of the precious metals produced yearly before the next decade shall have passed away. What effect the pouring down of such a vast amount of coin among the millions of people now and soon to dwell upon the rich agricultural States between Lake Michigan and the Rocky Mountains let him estimate who has the ability and the courage to do so.

COMMERCIAL FACILITIES.

Without adequate means for the interchange of their industries and the export of their surplus products to foreign nations, the people of a country however rich cannot achieve an enlarged and a permanent prosperity. For this the enterprise, the wealth of the Nation, and the energy of our people have furnished the Central States with the most ample facilities. Besides the thousands of miles of steamboat navigation on our rivers, scores of railways have gone trooping over the country in all directions, bridging the Mississippi and the Missouri as if it were a mere pastime, and still they go pressing onward to the mountains. Their dark, gloomy, and as it was supposed impassable canyons echo the wild scream of the locomotive, and the



saucy little baby engine, powerful as it is saucy, has leaped over their lofty passes more than nine and eleven thousand feet above the sea. The St. Paul and the Northwestern are running a race through Dakota to the Black Hills; the Northern Pacific and the Atchison, Topeka & Santa Fe are driving rapidly onward to the Pacific Ocean; while the Central Pacific line has for ten years been pouring the tea, the silks, and the spices of Asia into our warehouses for distribution all through the Mississippi Valley. It is safe to say that no country in the world of equal extent is so abundantly supplied with facilities for transport and travel as that between Lake Michigan and the Rocky Mountains. Parenthetically it may be here said that in the old Roman Empire not only upon the conqueror of nations, but upon him who built the most roads and the best bridges, was conferred the highest honors. He was Pontifex Maximus,—the greatest bridge-builder,—a title the Pope is proud to retain to the present day. What a noble monument should therefore be reared to the memory of John F. Tracy, who built the Mississippi bridge at Rock Island, and, first of all others against the money and the power of St. Louis and the entire river interest combined, fought the battle through the United States courts, and secured the right to keep it there. Hence every river in the Nation can now be bridged. And what a high position will history give to the names of William B. Ogden, John B. Turner, Henry Farnum, and a score or more of their compeers, who directed and gave energy to that public opinion which has enabled their successors, Gov. Stanford and Thomas C. Durant, to push their lines over the mountains and entirely across the Continent! And now come Frederick Billings with H. E. Sargent, and William B. Strong with his Boston crowd, determined soon to give us two other lines to the Pacific Ocean. Has not each one of them already become in reality, on his own line, and not in mere name a Pontifex Maximus?

These lines to the westward are supplemented by water transit eastward through our magnificent lakes and the Erie and Canadian Canals, and by five or six great railway lines to the Atlantic seaboard. It may as well be added in this connection that the traffic of our merchants extends from the south side of our triangle, through Texas, along the Atlantic seaboard, all the way round to the Dominion of Canada. Immense shipments or grain and provisions are made on

through bills of lading to all the ports in Western Europe. Our wholesale merchants have buyers in all the Eastern States, and in all the leading cities and manufacturing districts of Europe, with cash in hand to buy at bottom prices whatever goods this market may require, so that New York dealers—as Stewart & Co., and others, have found indispensable—have been forced to establish branch houses in this city. Beyond a doubt the branch will, in a very few years, become the main central establishment. Chicago manufacturers of railway supplies and agricultural and other implements make frequent shipments to both sides of the continent; to Europe and to the islands of the Pacific Ocean. Hence while the country west of us must be relied on mainly for the growth of the city, it should be added that her lake and canal navigation,—the Illinois & Michigan must not be forgotten,—her Eastern railway system, and her Southern, Eastern, and European trade are all immense factors in determining the elements of her past and future prosperity.

STATISTICS.

A paragraph on her past growth and present business is appropriate here. Let us take a period of twenty-five years. In 1838, one year after the city was organized, the first shipment of wheat, seventy-eight bushels, was made eastward by the lakes.* In 1854, twenty-five years ago, the receipts of wheat had risen to 3,038,955 bushels; last year they were 39,358,014,—a wonderful increase, surely. The receipts of corn for 1854 were 7,490,753, last year they were 62,164,238 bushels. The total receipts of cereals for 1854 were 12,902,310 bushels; last year they were 137,624,833, and their value is told by

* It should be known that these historical 78 bushels of wheat were shipped in bags to Buffalo on board a steamer by the late Charles Walker, one of the most far-seeing and best business men Chicago ever had. The history of the next shipment, in 1839, of 3,678 bushels, on board the brig Osceola, is scarcely less interesting. It was made by Newberry & Dole, whose warehouse was then on the North Side, immediately east of where Rush street bridge now stands. The wheat was bought from farmers' wagons and hoisted to the upper story by Irish power, with rope and pully. The problem of loading it on the brig was solved by fixing a spout in one of the upper doors and making it gradually narrower till it reached the deck, where the wheat was discharged into boxes holding four bushels, weighed, and transferred to the hold of the vessel From the bins holding the wheat in the upper story a row of men was formed who passed it in buckets, precisely similar to the means used to pass buckets of water at a fire before the introduction of engines. Subsequently the firm built a warehouse on the South Side, immediately

$78,080,000. The number of hogs received in 1854 was 74,339; last year the receipts were 6,488,935. Of cattle the statistics show 23,691 received in 1854; last year the number was 1,215,672, and the total value of the live stock handled was $107,310,000.

Total value of the produce trade	$253,000,000
Wholesale trade	341,000,000
Manufactures	236,500,000
Total	$830,500,000

From this The Tribune's commercial editor deducts $66,500,000 for articles manufactured here and also sold at wholesale leaving the actual value of trade of the city for the last year $764,000,000. These results seem almost fabulous and could not be credited were they not gathered by experts with the greatest care from authentic sources. The population of the city in 1854 was 65,872; everybody now believes that the census about to be taken will give us at least 450,000. As another index of Western growth it may be stated that Illinois was admitted into the Union in 1818, only sixty-two years ago, taking her place at the foot of the States. Since then her march has been onward and upward, till the census of this year will place her ahead of Ohio and next to Pennsylvania, the third State in the Union. Doubtless Wisconsin, Minnesota, Kansas, Nebraska, and Colorado would show equally marvelous results, were not this article already too long to present the statistics to prove it.

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west of Clark street bridge. Business increasing, a common horse-power arrangement was introduced to run an elevating belt and thus raise the wheat to the top story. The endless treddle on which the horse traveled was in the way, and besides it made a great deal of noise. Hence his tramway was transferred to the upper story, and with straps and pulleys a party of sailors soon transferred the faithful animal to the same locality, where he lived and traveled seven years without ever setting foot on *terra firma*. All the warehouses along the river were operated in the same way when I wrote the commercial for our paper, then the *Democratic Press* 1852-5. The brothers George F. and Julian S. Rumsey, nephews of Mr. Dole, were his clerks, and, with Ex-Alderman Granger, rigged out this machinery, then considered a great advance in the handling of grain. They are all still in the city, and the Rumseys are among our largest commission merchants. This tramping of the old horse at the top of the warehouse only forty years ago furnished the beginnings of our seventeen splendid elevators, with a capacity of 17,250,000 bushels. All this in the short space of forty years. It may be added as a health item that Colonel G. S. Hubbard, who came here in 1818, and who has lived at the West ever since, with G. F. Rumsey and a large number of our older citizens, were present at the meeting.